

LITERATURVERZEICHNIS
in alphabetischer Reihenfolge

OVERVIEW ON CITED LITERATURE
in alphabetical order

- A** Adams M, „Sentio, ergo sum.” Therapie somatosensorischer Beeinträchtigungen nach Schlaganfall. Doktorarbeit, Universität des Saarlandes, publikationen.sulb.uni-saarland.de doi:10.22028/D291-23422
- Alashram AR, Padua E, Romagnoli C, Annino G. Effectiveness of focal muscle vibration on hemiplegic upper extremity spasticity in individuals with stroke: A systematic review. *NeuroRehabilitation*. 2019 Dec 18;45(4):471-481. doi: 10.3233/NRE-192863. PMID: 31868686.
- American Society for Surgery of the Hand. Scar Treatment. <http://www.assh.org/handcare/Anatomy/Details-Page/articleId/42987> .(last access Jan 08 2021)
- Attanasio G, Camerota F, Ralli M, Galeoto G, La Torre G, Galli M, De Vincentiis M, Greco A, Celletti C. Does focal mechanical stimulation of the lower limb muscles improve postural control and sit to stand movement in elderly? *Aging Clin Exp Res*. 2018 Oct;30(10):1161-1166. doi: 10.1007/s40520-018-0909-x. Epub 2018 Feb 21. PMID: 29468616.
- Ault P, Plaza A, Paratz J. Scar massage for hypertrophic burns scarring-A systematic review. *Burns*. 2018 Feb;44(1):24-38. doi: 10.1016/j.burns.2017.05.006. Epub 2017 Jun 29. PMID: 28669442.
- Avvantaggiato C, Casale R, Cinone N, Facciorusso S, Turitto A, Stuppiello L, Picelli A, Ranieri M, Intiso D, Fiore P, Ciritella C, Santamato A. Localized muscle vibration in the treatment of motor impairment and spasticity in post-stroke patients: a systematic review. *Eur J Phys Rehabil Med*. 2021 Feb;57(1):44-60. doi: 10.23736/S1973-9087.20.06390-X. Epub 2020 Oct 28. PMID: 33111513.
- B** Barsties V, Latoszek B. Preliminary study of Novafon local vibration voice therapy for dysphonia treatment. *Logoped Phoniatr Vocol*. 2020 Apr;45(1):1-9. doi: 10.1080/14015439.2018.1453541. Epub 2018 Mar 27. PMID: 29583016.
- Barsties v. Latoszek B, Watts CR. A Case of Nervus Laryngeus Superior Paresis Treated With Novafon Local Vibration Voice Therapy, *Journal of Voice*, Volume 35, Issue 3, 2021, Pages 406-410, ISSN 0892-1997, <https://doi.org/10.1016/j.jvoice.2019.10.013>.
- Barsties v. Latoszek. Treatment Effectiveness of Novafon Local Vibration Voice Therapy for Dysphonia Treatment. *Journal of Voice*, Volume 34, Issue 1, 2020, Pages 160.e7-160.e14, ISSN 0892-1997, <https://doi.org/10.1016/j.jvoice.2018.05.009>.
- Beinert K, Englert V, Taube W. After-effects of neck muscle vibration on sensorimotor function and pain in neck pain patients and healthy controls - a case-control study. *Disabil Rehabil*. 2019 Aug;41(16):1906-1913. doi: 10.1080/09638288.2018.1451925. Epub 2018 Mar 21. PMID: 29558836.
- Beinert K, Keller M, Taube W. Neck muscle vibration can improve sensorimotor function in patients with neck pain. *Spine J*. 2015 Mar 1;15(3):514-21. doi: 10.1016/j.spinee.2014.10.013. Epub 2014 Oct 22. PMID: 25452010.
- Bishop B. Vibratory stimulation. Part III. Possible applications of vibration in treatment of motor dysfunctions. *Phys Ther*. 1975 Feb;55(2):139-43. doi: 10.1093/ptj/55.2.139. PMID: 1144517.
- Bolognini N, Russo C, Edwards DJ. The sensory side of post-stroke motor rehabilitation. *Restor Neurol Neurosci*. 2016 Apr 11;34(4):571-86. doi: 10.3233/RNN-150606. PMID: 27080070; PMCID: PMC5605470.
- Borowski A, Littleton AG, Borkhuu B, Presedo A, Shah S, Dabney KW, Lyons S, McMannus M, Miller F. Complications of intrathecal baclofen pump therapy in pediatric patients. *J Pediatr Orthop*. 2010 Jan-Feb;30(1):76-81. doi: 10.1097/BPO.0b013e3181c6b257. PMID: 20032747.
- Brosseau L, Wells GA, Poitras S, Tugwell P, Casimiro L, Novikov M, Loew L, Sredic D, Clément S, Gravelle A, Kresic D, Hua K, Lakic A, Ménard G, Sabourin S, Bolduc MA, Ratté I, McEwan J, Furlan AD, Gross A, Dagenais S, Dryden T, Muckenheimer R, Côté R, Paré V, Rouhani A, Léonard G, Finestone HM, Laferrière L, Haines-Wangda A, Russell-Doreleyers M, De Angelis G, Cohoon C. Ottawa Panel evidence-based clinical practice guidelines on therapeutic massage for low back pain. *J Bodyw Mov Ther*. 2012 Oct;16(4):424-55. doi: 10.1016/j.jbmt.2012.04.002. Epub 2012 Jun 23. PMID: 23036876.
- Brosseau L, Wells GA, Tugwell P, Casimiro L, Novikov M, Loew L, Sredic D, Clément S, Gravelle A, Hua K, Kresic D, Lakic A, Ménard G, Côté P, Leblanc G, Sonier M, Cloutier A, McEwan J, Poitras S, Furlan A, Gross A, Dryden T, Muckenheimer R, Côté R, Paré V, Rouhani A, Léonard G, Finestone HM, Laferrière L, Dagenais S,

De Angelis G, Cohoon C. Ottawa Panel evidence-based clinical practice guidelines on therapeutic massage for neck pain. *J Bodyw Mov Ther.* 2012 Jul;16(3):300-325. doi: 10.1016/j.jbmt.2012.04.001. Epub 2012 May 9. PMID: 22703740.

Brunetti O, Botti FM, Brunetti A, Biscarini A, Scarponi AM, Filippi GM, Pettorossi VE. Effects of focal vibration on bone mineral density and motor performance of postmenopausal osteoporotic women. *J Sports Med Phys Fitness.* 2015 Jan-Feb;55(1-2):118-27. PMID: 25642687.

Brunetti O, Filippi GM, Lorenzini M, Liti A, Panichi R, Roscini M, Pettorossi VE, Cerulli G. Improvement of posture stability by vibratory stimulation following anterior cruciate ligament reconstruction. *Knee Surg Sports Traumatol Arthrosc.* 2006 Nov;14(11):1180-7. doi: 10.1007/s00167-006-0101-2. Epub 2006 Jun 9. PMID: 16763853.

- C** Caliendo P, Celletti C, Padua L, Minciotti I, Russo G, Granata G, La Torre G, Granieri E, Camerota F. Focal muscle vibration in the treatment of upper limb spasticity: a pilot randomized controlled trial in patients with chronic stroke. *Arch Phys Med Rehabil.* 2012 Sep;93(9):1656-61. doi: 10.1016/j.apmr.2012.04.002. Epub 2012 Apr 13. PMID: 22507444.

Camerota F, Galli M, Celletti C, Vimercati S, Cimolin V, Tenore N, Filippi GM, Albertini G. Quantitative effects of repeated muscle vibrations on gait pattern in a 5-year-old child with cerebral palsy. *Case Rep Med.* 2011;2011:359126. doi: 10.1155/2011/359126. Epub 2011 Apr 5. PMID: 21826147; PMCID: PMC3150156.

Casale R, Damiani C, Maestri R, Fundarò C, Chimento P, Foti C. Localized 100 Hz vibration improves function and reduces upper limb spasticity: a double-blind controlled study. *Eur J Phys Rehabil Med.* 2014 Oct;50(5):495-504. Epub 2014 Mar 21. PMID: 24651209.

Celletti C, Camerota F. Preliminary evidence of focal muscle vibration effects on spasticity due to cerebral palsy in a small sample of Italian children. *Clin Ter.* 2011;162(5):e125-8. PMID: 22041808.

Celletti C, Sinibaldi E, Pierelli F, Monari G, Camerota F. Focal Muscle Vibration and Progressive Modular Rebalancing with neurokinetic facilitations in post-stroke recovery of upper limb. *Clin Ter.* 2017 Jan-Feb;168(1):e33-e36. doi: 10.7417/CT.2017.1979. PMID: 28240760.

Celletti C, Suppa A, Bianchini E, Lakin S, Toscano M, La Torre G, Di Piero V, Camerota F. Promoting post-stroke recovery through focal or whole body vibration: criticisms and prospects from a narrative review. *Neurol Sci.* 2020 Jan;41(1):11-24. doi: 10.1007/s10072-019-04047-3. Epub 2019 Aug 30. PMID: 31468237.

Charcot JM. Vibratory therapeutics.--The application of rapid and continuous vibrations to the treatment of certain diseases of the nervous system. 1892. *J Nerv Ment Dis.* 2011 Nov;199(11):821-7. doi: 10.1097/NMD.0b013e31823899bc. PMID: 22048131.

Császár NB, Angstman NB, Milz S, Sprecher CM, Kobel P, Farhat M, Furia JP, Schmitz C. Radial Shock Wave Devices Generate Cavitation. *PLoS One.* 2015 Oct 28;10(10):e0140541. doi: 10.1371/journal.pone.0140541. PMID: 26509573; PMCID: PMC4625004.

- D** De Koninck Y, Henry JL. Peripheral vibration causes an adenosine-mediated postsynaptic inhibitory potential in dorsal horn neurons of the cat spinal cord. *Neuroscience.* 1992 Sep;50(2):435-43. doi: 10.1016/0306-4522(92)90435-5. PMID: 1436497.

Deutsche Gesellschaft für Allgemeinmedizin und Familienmedizin e.V. (DEGAM). Schlaganfall S3-Leitlinie. AWMF-Register-Nr. 053-011, DEGAM-Leitlinie Nr. 8

Deutsche Gesellschaft für Neurorehabilitation e.V. (DGNR). S3-Leitlinie „Rehabilitative Therapie bei Armparese nach Schlaganfall“ der DGNR – Langversion. AWMF Nr. 080/003.

DGS - Deutsche Gesellschaft für Sprachheilverfahren DGS Information brochure No. 7 / DGS Information brochure. Dysarthrie / Dysarthrophonie.

Donnelly C J, Wilton J, The Effect of Massage to Scars on Active Range of Motion and Skin Mobility, *The British Journal of Hand Therapy.* 2002; 7(1): 5–11, <https://doi.org/10.1177/175899830200700101>

Dziewas R., Pflug C. et al., Neurogene Dysphagie, S1-Leitlinie, 2020, in: Deutsche Gesellschaft für Neurologie (Hrsg.), Leitlinien für Diagnostik und Therapie in der Neurologie. Online: www.dgn.org/leitlinien (abgerufen am 03.03.2022) EN: Neurogenic Dysphagia

- E** Edwards DJ, Dipietro L, Demirtas-Tatlidede A, Medeiros AH, Thickbroom GW, Mastaglia FL, Krebs HI, Pascual-Leone A. Movement-generated afference paired with transcranial magnetic stimulation: an associative stimulation paradigm. *J Neuroeng Rehabil.* 2014 Mar 5;11:31. doi: 10.1186/1743-0003-11-31. PMID: 24597619; PMCID: PMC3975847.

Eklund G, Steen M. Muscle vibration therapy in children with cerebral palsy. *Scand J Rehabil Med.* 1969;1(1):35-7. PMID: 5406722.

Espeit L, Lapole T. Effects of graduated compression stockings, local vibration and their combination on popliteal venous blood velocity. *Phlebology.* 2020 Aug;35(7):505-512. doi: 10.1177/0268355520902000. Epub 2020 Jan 23. PMID: 31973631.

- G** Gallien P, Aghulon C, Durufle A, Petrilli S, de Crouy AC, Carsin M, Toulouse P. Magnetoencephalography in stroke: a 1-year follow-up study. *Eur J Neurol.* 2003 Jul;10(4):373-82. doi: 10.1046/j.1468-1331.2003.00593.x. PMID: 12823488.

Grant L. The use of a manual vibrator in the speech therapy program of four school-age mentally retarded children. *J Commun Disord.* 1982 Sep;15(5):375-83. doi: 10.1016/0021-9924(82)90005-3. PMID: 7130441.

Guieu R, Tardy-Gervet MF, Giraud P. Met-enkephalin and beta-endorphin are not involved in the analgesic action of transcutaneous vibratory stimulation. *Pain.* 1992 Jan;48(1):83-88. doi: 10.1016/0304-3959(92)90134-W. PMID: 1738578.

Guieu R, Tardy-Gervet MF, Giraud P. Substance P-like immunoreactivity and analgesic effects of vibratory stimulation on patients suffering from chronic pain. *Can J Neurol Sci.* 1993 May;20(2):138-41. doi: 10.1017/s0317167100047703. PMID: 7687513.

- H** Hagbarth KE, Eklund G. The effects of muscle vibration in spasticity, rigidity, and cerebellar disorders. *J Neurol Neurosurg Psychiatry.* 1968 Jun;31(3):207-13. doi: 10.1136/jnnp.31.3.207. PMID: 5684025; PMCID: PMC496346.

Hankey GJ, Spiesser J, Hakimi Z, Bego G, Carita P, Gabriel S. Rate, degree, and predictors of recovery from disability following ischemic stroke. *Neurology.* 2007 May 8;68(19):1583-7. doi: 10.1212/01.wnl.0000260967.77422.97. PMID: 17485645.

Hansson P, Ekblom A. Influence of stimulus frequency and probe size on vibration-induced alleviation of acute orofacial pain. *Appl Neurophysiol.* 1986;49(3):155-65. doi: 10.1159/000100140. PMID: 3548587.

Hansson P, Lundeberg T. Transcutaneous electrical nerve stimulation, vibration and acupuncture as pain-relieving measures. 1999. In: Wall PD, Melzack R, eds. *Textbook of Pain*, 4th edn. Edinburgh: Churchill Livingstone; 1341-51

Hartman-Maeir A, Katz N. Validity of the Behavioral Inattention Test (BIT): relationships with functional tasks. *Am J Occup Ther.* 1995 Jun;49(6):507-16. doi: 10.5014/ajot.49.6.507. PMID: 7645663

Hawker GA, Mian S, Kendzerska T, French M. Measures of adult pain: Visual Analog Scale for Pain (VAS Pain), Numeric Rating Scale for Pain (NRS Pain), McGill Pain Questionnaire (MPQ), Short-Form McGill Pain Questionnaire (SF-MPQ), Chronic Pain Grade Scale (CPGS), Short Form-36 Bodily Pain Scale (SF-36 BPS), and Measure of Intermittent and Constant Osteoarthritis Pain (ICOAP). *Arthritis Care Res (Hoboken).* 2011 Nov;63 Suppl 11:S240-52. doi: 10.1002/acr.20543. PMID: 22588748.

Hricová M, Hammer S, Lokale Vibrationstherapie in der Neurorehabilitation - Eignet sich der intraorale Vibrationsspatel zur Verbesserung der Zungenkraft bei Schlaganfallpatienten? - Eine Pilotstudie, *Sprache · Stimme · Gehör* 2021; 45(01): e1-e6, DOI: 10.1055/a-1157-0609

- I** Imtiyaz S, Veqar Z, Shareef MY. To Compare the Effect of Vibration Therapy and Massage in Prevention of Delayed Onset Muscle Soreness (DOMS). *J Clin Diagn Res.* 2014 Jan;8(1):133-6.
- J** Johannsen L, Ackermann H, Karnath HO. Lasting amelioration of spatial neglect by treatment with neck muscle vibration even without concurrent training. *J Rehabil Med.* 2003 Nov;35(6):249-53.
- K** Kamada K, Shimodozono M, Hamada H, Kawahira K. Effects of 5 minutes of neck-muscle vibration immediately before occupational therapy on unilateral spatial neglect. *Disabil Rehabil.* 2011;33(23-24):2322-8. doi: 10.3109/09638288.2011.570411 . Epub 2011 Apr 12. PMID: 21486139 .
- Karimi-AhmadAbadi A, Naghdi S, Ansari NN, Fakhari Z, Khalifee M. A clinical single blind study to investigate the immediate effects of plantar vibration on balance in patients after stroke. *J Bodyw Mov Ther.* 2018 Apr;22(2):242-246. doi: 10.1016/j.jbmt.2017.04.013 . Epub 2017 May 5. PMID: 29861214 .
- Karnath H.-O., Zihl J. (geteilte Erstautorenschaft) et al. S1-Leitlinie Rehabilitation bei Störungen der Raumkognition 2017. In: Deutsche Gesellschaft für Neurologie, Hrsg. Leitlinien für Diagnostik und Therapie in der Neurologie. Online: www.dgn.org/leitlinien (abgerufen am 05.07.2021)
- Karnath HO, Reich E, Rorden C, Fetter M, Driver J. The perception of body orientation after neck-proprioceptive stimulation. Effects of time and of visual cueing. *Exp Brain Res.* 2002 Apr;143(3):350-8. doi: 10.1007/s00221-001-0996-2. Epub 2002 Jan 30. PMID: 11889513.
- Khan F, Amatya B, Bensmail D, Yelnik A. Non-pharmacological interventions for spasticity in adults: An overview of systematic reviews. *Ann Phys Rehabil Med.* 2019 Jul;62(4):265-273. doi: 10.1016/j.rehab.2017.10.001. Epub 2017 Oct 16. PMID: 29042299.
- L** Lancet, the. Vibration therapy for pain. 1992 Jun 20;339(8808):1513-4. PMID: 1351192.
- Li W, Li C, Xu Q, Guan X, Ji L. Influence of focal vibration over Achilles tendon on the activation of sensorimotor cortex in healthy subjects and subacute stroke patients. *Neuroreport.* 2019 Nov 6;30(16):1081-1086. doi: 10.1097/WNR.0000000000001319 . PMID: 31503206 .
- Li W, Li C, Xu Q, Ji L, Effects of Focal Vibration over Upper Limb Muscles on the Activation of Sensimotor Cortex Network: An EEG Study. *J Healthc Eng.* 2019 May 27;2019(2):9167028. doi: 10.1155/2019/9167028. PMID: 31263527; PMCID: PMC6556786.
- Liepert J, Binder C. Vibration-induced effects in stroke patients with spastic hemiparesis--a pilot study. *Restor Neurol Neurosci.* 2010;28(6):729-35. doi: 10.3233/RNN-2010-0541. PMID: 21209488.
- List et al., *Physiotherapie in der Traumatologie – Handchirurgie.* Springer Medizin Verlag Heidelberg. 2009; S. 210-232.
- Lu X, Wang Y, Lu J, You Y, Zhang L, Zhu D, Yao F. Does vibration benefit delayed-onset muscle soreness?: a meta-analysis and systematic review. *J Int Med Res.* 2019 Jan;47(1):3-18. doi: 10.1177/0300060518814999. Epub 2018 Dec 10. PMID: 30526170; PMCID: PMC6384495.
- Lucente G, Valls-Sole J, Murillo N, Rothwell J, Coll J, Davalos A, Kumru H., Noninvasive Brain Stimulation and Noninvasive Peripheral Stimulation for Neglect Syndrome Following Acquired Brain Injury, Neuromodulation. 2020 Apr;23(3):312-323. doi: 10.1111/ner.13062. Epub 2019 Nov 14. PMID: 31725939.
- Lundeberg T, Abrahamsson P, Bondesson L, Haker E. Effect of vibratory stimulation on experimental and clinical pain. *Scand J Rehabil Med.* 1988;20(4):149-59. PMID: 3266033 .
- Lundeberg T, Nordemar R, Ottoson D. Pain alleviation by vibratory stimulation. *Pain.* 1984 Sep;20(1):25-44. doi: 10.1016/0304-3959(84)90808-X. PMID: 6333660.
- Lundeberg T, Relief of Pain from Phantom Limb by Peripheral Stimulation. 1985, *Journal of Neurology;* 232(2):79-82.

Lundeberg T. Long-term results of vibratory stimulation as a pain relieving measure for chronic pain. *Pain*. 1984 Sep;20(1):13-23. doi: 10.1016/0304-3959(84)90807-8. PMID: 6436774.

Lundeberg T. Naloxone does not reverse the pain-reducing effect of vibratory stimulation. *Acta Anaesthesiol Scand*. 1985 Feb;29(2):212-6. doi: 10.1111/j.1399-6576.1985.tb02188.x . PMID: 3976336 .

Lundeberg T. The pain suppressive effect of vibratory stimulation and transcutaneous electrical nerve stimulation (TENS) as compared to aspirin. *Brain Res*. 1984 Mar 5;294(2):201-9. doi: 10.1016/0006-8993(84)91031-x. PMID: 6608397.

- M** Marconi B, Filippi GM, Koch G, Giacobbe V, Pecchioli C, Versace V, Camerota F, Saraceni VM, Caltagirone C. Long-term effects on cortical excitability and motor recovery induced by repeated muscle vibration in chronic stroke patients. *Neurorehabil Neural Repair*. 2011 Jan;25(1):48-60. doi: 10.1177/1545968310376757 . Epub 2010 Sep 12. PMID: 20834043 .

Marconi B, Filippi GM, Koch G, Pecchioli C, Salerno S, Don R, Camerota F, Saraceni VM, Caltagirone C. Long-term effects on motor cortical excitability induced by repeated muscle vibration during contraction in healthy subjects. *J Neurol Sci*. 2008 Dec 15;275(1-2):51-9. doi: 10.1016/j.jns.2008.07.025 . Epub 2008 Aug 29. PMID: 18760809 .

Melzack R, Wall PD. Pain mechanisms: a new theory. *Science*. 1965 Nov 19;150(3699):971-9. doi: 10.1126/science.150.3699.971. PMID: 5320816.

Melzack R. The McGill Pain Questionnaire: major properties and scoring methods. *Pain*. 1975 Sep;1(3):277-299. doi: 10.1016/0304-3959(75)90044-5 . PMID: 1235985 .

Monstrey S, Middelkoop E, Vranckx JJ, Bassetto F, Ziegler UE, Meaume S, Téot L. Updated scar management practical guidelines: non-invasive and invasive measures. *J Plast Reconstr Aesthet Surg*. 2014 Aug;67(8):1017-25. doi: 10.1016/j.bjps.2014.04.011. Epub 2014 May 14. PMID: 24888226.

Moore ML, Dewey WS, Richard RL. Rehabilitation of the burned hand. *Hand Clin*. 2009 Nov;25(4):529-41. doi: 10.1016/j.hcl.2009.06.005 . PMID: 19801125 .

Mortaza N, Abou-Setta AM, Zarychanski R, Loewen H, Rabbani R, Glazebrook CM. Upper limb tendon/muscle vibration in persons with subacute and chronic stroke: a systematic review and meta-analysis. *Eur J Phys Rehabil Med*. 2019 Oct;55(5):558-569. doi: 10.23736/S1973-9087.19.05605-3 . Epub 2019 Mar 11. PMID: 30868835 .

Murillo N, Valls-Sole J, Vidal J, Opisso E, Medina J, Kumru H. Focal vibration in neurorehabilitation. *Eur J Phys Rehabil Med*. 2014 Apr;50(2):231-42. PMID: 24842220 .

- N** Nelles G. et al., Rehabilitation von sensomotorischen Störungen, S2k-Leitlinie, 2018, in: Deutsche Gesellschaft für Neurologie (Hrsg.), Leitlinien für Diagnostik und Therapie in der Neurologie. AWMF-Nr. 030-123. Online: www.dgn.org/leitlinien (abgerufen am 05.07.2021)

Noma T, Matsumoto S, Shimodozono M, Etoh S, Kawahira K. Anti-spastic effects of the direct application of vibratory stimuli to the spastic muscles of hemiplegic limbs in post-stroke patients: a proof-of-principle study. *J Rehabil Med*. 2012 Apr;44(4):325-30. doi: 10.2340/16501977-0946 . PMID: 22402727 .

NOVAFON GmbH, Market Surveillance. User Surveil Occupational therapists. 2019. (unpublished)

NOVAFON GmbH, Market Surveillance. User Survey logopedic therapists. 2021. (unpublished)

NOVAFON GmbH. Results use observation occupational therapy stroke 2020_Thiel_20210413 (unpublished)

- O** Önal B, Karaca G, Sertel M. Immediate Effects of Plantar Vibration on Fall Risk and Postural Stability in Stroke Patients: A Randomized Controlled Trial. *J Stroke Cerebrovasc Dis*. 2020 Dec;29(12):105324.

Oliveri DJ, Lynn K, Hong CZ. Increased skin temperature after vibratory stimulation. *Am J Phys Med Rehabil*. 1989 Apr;68(2):81-5.

Ottoson D, Ekblom A, Hansson P. Vibratory stimulation for the relief of pain of dental origin. *Pain*. 1981 Feb;10(1):37-45.

- P** Phadke CP, Balasubramanian CK, Holz A, Davidson C, Ismail F, Boulias C. Adverse Clinical Effects of Botulinum Toxin Intramuscular Injections for Spasticity. *Can J Neurol Sci*. 2016 Mar;43(2):298-310. doi: 10.1017/cjn.2015.314 . Epub 2015 Nov 24. PMID: 26597813 .

Piepenbrock S., Sittig HB. (1998) Tumorschmerztherapie. In: Deutschen Akademie für Anästhesiologische Fortbildung (eds) Juni/Juli 1998, Frankfurt. Refresher Course Aktuelles Wissen für Anästhesisten, vol 24. Springer, Berlin, Heidelberg. <https://doi.org/10.1007/978-3-642-72040-6>
EN: Therapies for tumour induced pain

Platz T. et al., Therapie des spastischen Syndroms, S2k-Leitlinie, 2018, in: Deutsche Gesellschaft für Neurologie (Hrsg.), Leitlinien für Diagnostik und Therapie in der Neurologie.

Poenaru D, Cinteza D, Petrusca I, Cioc L, Dumitrascu D. Local Application of Vibration in Motor Rehabilitation - Scientific and Practical Considerations. *Maedica (Bucur)*. 2016 Sep;11(3):227-231. PMID: 28694858 ; PMID: PMC5486165.

Prosiegel M, Weber S. Dysphagie: Diagnostik und Therapie - Ein Wegweiser für kompetentes Handeln. 2018; 3. Auflage, Springer Verlag Berlin Heidelberg.

- S** Schröder J, Truijien S, Van Crieking T, Saeys W. Peripheral somatosensory stimulation and postural recovery after stroke - a systematic review. *Top Stroke Rehabil*. 2018 May;25(4):312-320. doi: 10.1080/10749357.2018.1440694. Epub 2018 Feb 23. PMID: 29473456.

Schuster M, Wagner-Krön C, Berghaus A. Endlich wieder bei Stimme! - Therapiemöglichkeiten bei Dysphonien. *MMW-Fortschritte der Medizin*. 2015; 157, 45-49.

Seco J, Rodríguez-Pérez V, López-Rodríguez AF, Torres-Unda J, Echevarria E, Díez-Alegre MI, Ortega A, Morán P, Mendoza-Laíz N, Abecia Inchaurregui LC. Effects of vibration therapy on hormone response and stress in severely disabled patients: a double-blind randomized placebo-controlled clinical trial. *Rehabil Nurs*. 2015 May-Jun;40(3):166-78. doi: 10.1002/rnj.116 . Epub 2013 Aug 6. PMID: 23922258 .

Serritella E, Scialanca G, Di Giacomo P, Di Paolo C. Local Vibratory Stimulation for Temporomandibular Disorder Myofascial Pain Treatment: A Randomised, Double-Blind, Placebo-Controlled Preliminary Study. *Pain Res Manag*. 2020 Dec 5;2020:6705307. doi: 10.1155/2020/6705307 . PMID: 33354268 ; PMID: PMC7735843.

Sharma P, Czyz CN, Wulc AE. Investigating the efficacy of vibration anesthesia to reduce pain from cosmetic botulinum toxin injections. *Aesthet Surg J*. 2011 Nov;31(8):966-71. doi: 10.1177/1090820X11422809 . Epub 2011 Oct 14. PMID: 22001341 .

Simon O, Yelnik AP. Managing spasticity with drugs. *Eur J Phys Rehabil Med*. 2010 Sep;46(3):401-10. PMID: 20927006.

Smith KC, Comite SL, Balasubramanian S, Carver A, Liu JF. Vibration anesthesia: a noninvasive method of reducing discomfort prior to dermatologic procedures. *Dermatol Online J*. 2004 Oct 15;10(2):1. PMID: 15530291 .

Staud R, Robinson ME, Goldman CT, Price DD. Attenuation of experimental pain by vibro-tactile stimulation in patients with chronic local or widespread musculoskeletal pain. *Eur J Pain*. 2011 Sep;15(8):836-42. doi: 10.1016/j.ejpain.2011.01.011. Epub 2011 Feb 19. PMID: 21339076; PMID: PMC3136545.

- T** Tavernese E, Paoloni M, Mangone M, Mandic V, Sale P, Franceschini M, Santilli V. Segmental muscle vibration improves reaching movement in patients with chronic stroke. A randomized controlled trial. *NeuroRehabilitation*. 2013;32(3):591-9. doi: 10.3233/NRE-130881 . PMID: 23648613 .
- Toscano M, Celletti C, Viganò A, Altarocca A, Giuliani G, Jannini TB, Mastria G, Ruggiero M, Maestrini I, Vicenzini E, Altieri M, Camerota F, Di Piero V. Short-Term Effects of Focal Muscle Vibration on Motor Recovery After Acute Stroke: A Pilot Randomized Sham-Controlled Study. *Front Neurol*. 2019 Feb 19;10:115. doi: 10.3389/fneur.2019.00115 . PMID: 30873102 ; PMCID: PMC6401608.
- Trautwein AX, Hüttermann J. Physik für Mediziner, Biologen, Pharmazeuten. De Gruyter; 6. neu bearb. Edition, 2004. EN: Physics for medical professionals, biologists and pharmacists
- V** Vacariu G, Schuhfried O, Korpan M. Physical therapy and rehabilitation of pain syndromes. *Compendium of Physical Medicine and Rehabilitation*. 2005;189-215.
- W** Wanderley FS, Albuquerque-Sendín F, Parizotto NA, Rebelatto JR. Effect of plantar vibration stimuli on the balance of older women: a randomized controlled trial. *Arch Phys Med Rehabil*. 2011 Feb;92(2):199-206. doi: 10.1016/j.apmr.2010.10.014. PMID: 21272715.
- Winstein CJ, Stein J, Arena R, Bates B, Cherney LR, Cramer SC, Deruyter F, Eng JJ, Fisher B, Harvey RL, Lang CE, MacKay-Lyons M, Ottenbacher KJ, Pugh S, Reeves MJ, Richards LG, Stiers W, Zorowitz RD; American Heart Association Stroke Council, Council on Cardiovascular and Stroke Nursing, Council on Clinical Cardiology, and Council on Quality of Care and Outcomes Research. Guidelines for Adult Stroke Rehabilitation and Recovery: A Guideline for Healthcare Professionals From the American Heart Association/American Stroke Association. *Stroke*. 2016 Jun;47(6):e98-e169. doi: 10.1161/STR.0000000000000098. Epub 2016 May 4. Erratum in: *Stroke*. 2017 Feb;48(2):e78. Erratum in: *Stroke*. 2017 Dec;48(12):e369. PMID: 27145936.
- Wu CW, van Gelderen P, Hanakawa T, Yaseen Z, Cohen LG. Enduring representational plasticity after somatosensory stimulation. *Neuroimage*. 2005 Oct 1;27(4):872-84. doi: 10.1016/j.neuroimage.2005.05.055. PMID: 16084740.
- Y** Yiu E, Yiu C, Chan C, Barrett E & Lu D. Vibrational Therapies for Vocal Fatigue. *Journal of Voice*. 2019 IN PRESS.
- Z** Zeman BD, Yiannikas C. Functional prognosis in stroke: use of somatosensory evoked potentials. *J Neurol Neurosurg Psychiatry*. 1989 Feb;52(2):242-7. doi: 10.1136/jnnp.52.2.242 . PMID: 2703840 ; PMCID: PMC1032513.